

1 Patent Application of Gary R. Fisher for " Water Wall Assembly
2 For Generating Dynamically Changing Water Patterns" continued

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5 ABSTRACT OF THE DISCLOSURE
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7 A vertical water wall assembly (100) for generating dynamically changing
8 water patterns in a contained channel (114) behind a viewing surface. The water
9 wall assembly includes a translucent front sheet (110) directed toward a viewing
10 space with a rear side containing a multiplicity of concave depressions (111),
11 and a rear sheet (140) disposed behind and in proximity to the front sheet that in
12 part acts as a contrasting background. The edges of these sheets are sealed
13 (120,122) and water is made to flow in the space defined between the two
14 sheets, entering at the top of the sheets (135) and exiting at the bottom of the
15 sheets (150). The flow of water into the water wall at the water inlet (125) is time
16 varying and is preferably computer-controlled (190). In operation water flowing in
17 the contained channel (114) of the water wall takes dynamic, chaotic pathways
18 through the multiplicity of concave depressions (111). As individual depressions
19 fill and empty, air bubbles that formerly occupied the depressions propagate
20 down the contained channel. This behavior generates a non-uniform "bubbling"
21 sound in the water wall, while contributing to the overall visual effect of the
22 invention.